

## HIGHLIGHTS:

- ◆ **Sea Level Rise Workshop, February 16-17, 2010(Hosted by FI Sea Grant, USGS & CES)**
- ◆ **Southeast Florida's Resilient Water Resources— Barry N. Heimlich**
- ◆ **ICCE Program selected to submit full proposal for FAU research priority area**

## INSIDE THIS ISSUE:

- Proposals 2**
- Conferences, Workshops & Meetings 2**
- In Focus 3**
- Partnerships 3**

## Program Summary

Launched by Florida Atlantic University in the summer of 2009, The Integrative Collaborative on Climate and Energy (ICCE) is a cross-university program creating relevant linkages across disciplines in order to advance basic and applied research in the area of climate change and adaptation.

More than 100 faculty members in a number of climate change-related disciplines have been involved in interdisciplinary sessions and brainstorming meetings. The initiative has so far included members of seven colleges (Science, Engineering and Computer Science, Education,

Honors, Business, Architecture, Urban and Public Affairs) as well as HBOI, and there is potential for work with the



other colleges.

Collectively, we have strong collaborative linkages with local, state and federal governmental and non-governmental organizations, the business community, and the public. Other University

collaborators include: Florida Gulf Coast University, University of Miami and Columbia University. Our partners provide strong support in topical and regional areas.

Based on our expertise, deep community connections and long-held partnerships, we are uniquely positioned to take research-based knowledge and apply it to practical decision-making that focuses on the needs of the region and its people. Furthermore, we know that the work of ICCE will have implications for addressing the climate change issues that will soon be faced by much of the United States

## Research Themes

- The use of the extensive knowledge base of ICCE members, partners and networks to develop unique interdisciplinary teams to advance basic and applied climate change research.
- The practical application of research conclusions by gathering, distilling and disseminating information about current and potential climate change impacts on south Florida and mitigation and adaptation priorities.
- Education and outreach activities developed for K through university, decision-makers and the business community

# Proposals

## Submitted proposals:

- FAU Research Priority Areas Pre-Proposal—Climate Change – Research, Engineering and Regional Adaptation to Sea Level Rise and a Changing Climate (Selected to submit full proposal)
- NASA—Situationally Adapted Simulations for Mitigation and Adaptation Education
- NOAA—Protecting Southeast Florida’s Water Resources: Assuring Adaptation to Climate Change Through Stakeholder Collaboration
- NSF—Assessing the Risk of Saltwater Intrusion Associated with Climate Change in Southeast Florida
- NSF—Masters in Climate Science & Solutions (In partnership with the National Council for Science and the Environment)
- Robert Wood Johnson Foundation—Resilient Communities: A Comparative Study of Public Health Preparedness for Sea Level Rise in Underserved Coastal Communities of Palm Beach and Broward Counties, Florida



“...Forward-thinking local adaptation is needed to cope with the unavoidable, potential, area-specific impacts of climate change”  
- Southeast Florida’s Resilient Water Resources

# Conferences, Workshops & Meetings

- Florida Energy and Climate Commission Ongoing meetings: Chair-Jim Murley, Administering over \$170 million in federal energy recovery funds, and advising Governor and Legislature on renewable energy and climate change policy.
- UM-RSMAS CIMAS Fall 2009: Marguerite Koch, FAU representative.
- USACE Sea level rise and the Florida university system August 2009: Dr. Leonard Berry, presenter.
- Mote Marine Lab, Climate Change Adaptation Workshop October 2009: Jim Murley, Broward County Climate Change Task Force, presenter.
- Regional Climate Leadership Summit October 2009: Jim Murley, expert panelist on land use.
- NOAA December 2009: Jim Murley, presenter
- Lee County Sustainability Meeting December 2009: Dr. Leonard Berry, presenter.
- NOAA/USGS National Sea Level Rise December 2009: Jim Murley, presenter.
- Friends of the Arthur R. Marshall Loxahatchee National Wildlife Refuge Annual Meeting January 2010: Dr. Leonard Berry, keynote speaker.
- NCSE National Conference January 2010: FAU will be hosting two breakout groups: Greening the Job Market and Ocean Energy.
- ICCE Sea Level Rise Workshop February, 2010: This invitation only
- EPA Southeast US Climate Change Adaptation Workshop February 2010: Jim Murley, plenary Speaker.
- workshop will focus on linking Florida Academic Institutions with Federal and State agencies.
- Greater Everglades Ecosystem Restoration (GEER) Conference July 2010: The GEER theme will be on the impact of climate change for Everglades restoration.



# In Focus

**Southeast Florida's Resilient Water Resources**, written by Barry N. Heimlich—This study is among the first to examine Southeast Florida's water infrastructure through the lens of climate change. It is hoped that it will heighten awareness to this critical issue, bring climate change to the forefront of water resource planning and policymaking, and stimulate new policy and planning for improving the resilience of Southeast Florida's water infrastructure to climate change.

**Southeast Florida Climate Change Leadership Summit** was held in October 2009, and hosted by the Broward County Board of County Commissioners in partnership with Palm Beach, Miami-Dade and Monroe counties. The participants included local officials, federal and state legislators, regional transportation,

planning and water management authorities, and members of the regional Climate Change/Green Task Forces. The summit produced the Southeast Florida Regional Climate Change Compact, which solidifies the regional collaboration that will support a coordinated climate change strategy

For more information, please visit: [http://www.broward.org/climatechange/pdf/fourcounty\\_compact.pdf](http://www.broward.org/climatechange/pdf/fourcounty_compact.pdf)

**ICCE 2010 Sea Level Rise Workshop**, sponsored by USGS, Florida Sea Grant and CES—The purpose of this workshop is to engage Florida university faculty and Florida resource management agencies on the issue of sea level rise and its effects on coastal zone marine or upland ecosystems and hydrological dynamics potentially impacted by future sea-level

rise and storm surge. The workshop will (a) showcase the work of FL university faculty, (b) identify needs of Water Management Districts and other State and Federal Agencies in order to build partnership opportunities between faculty and agency staff, and (c) identify cutting edge issues at the federal, state and local level that Florida university faculty can address with multi-disciplinary multi-institutional teams.

**ICCE Spring 2010 Green Business Forum Series.** Partnering with FAU's executive MBA program, ICCE brings together business students, and local business executives with experts in sustainable business practices. The first of the series was held in January 30th. Presentations were made by executives from FPL, Advanced Green Technologies and FAU research affiliate Barry Heimlich.

# Partnerships

- Battelle Enterprises
- Columbia University
- Florida Gulf Coast University
- Florida Public Health Institute
- National Council for Science and the Environment
- University of Miami Rosenstiel School of Marine and Atmospheric Science

## Integrative Collaborative on Climate and Energy (ICCE)

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